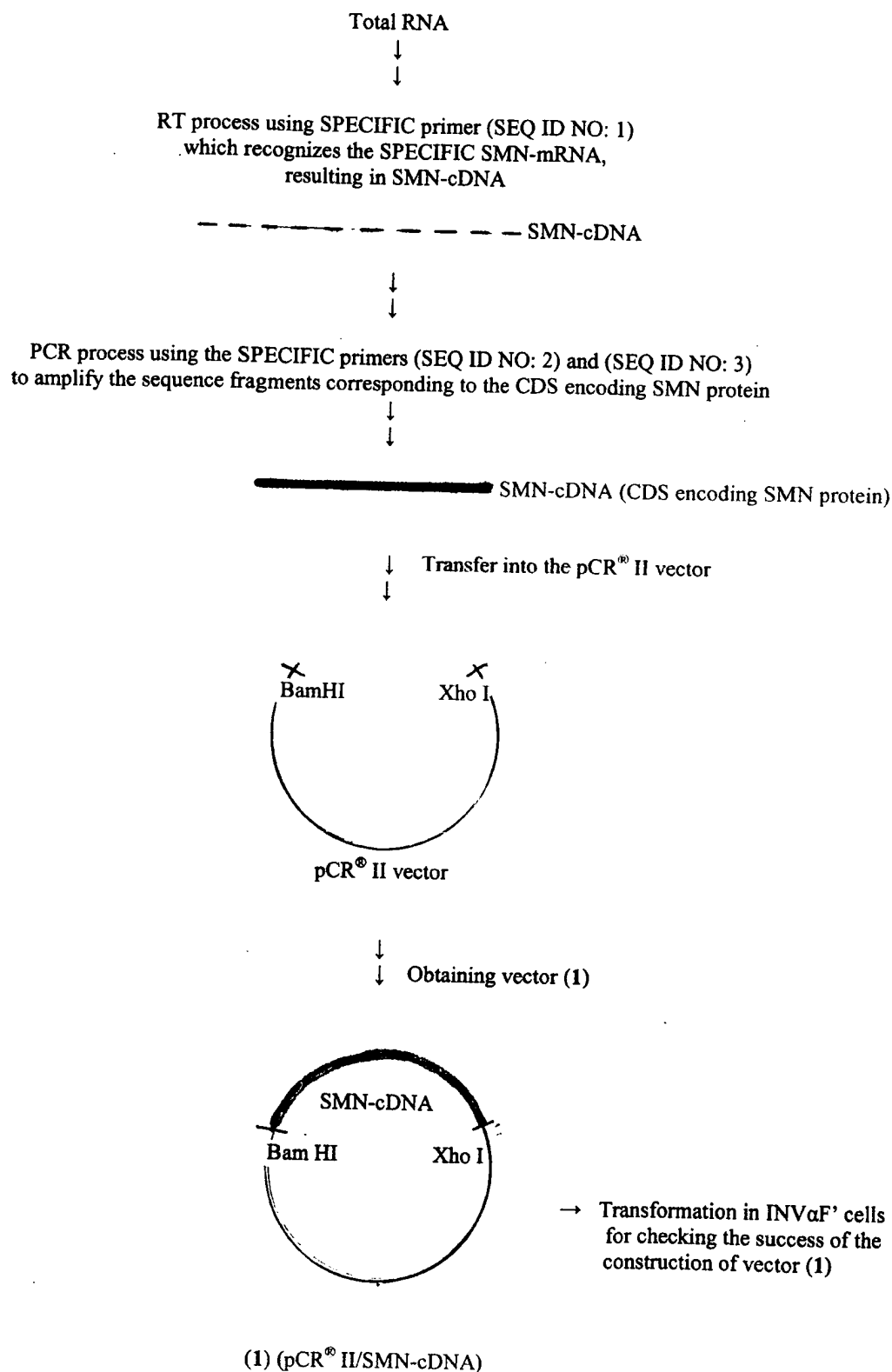
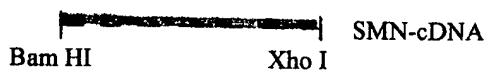


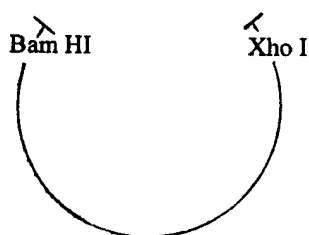
Fig. 1 – Representation of the different steps of the construction of the expression plasmids for human SMN protein.



↓ Isolation of the SMN-cDNA by digestion of (1) with
↓ Bam HI and Xho I



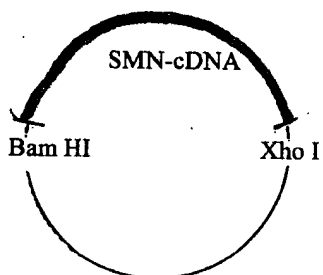
↓ Transfer into the pFastBac HTbTM vector
↓ predigested with Bam HI and Xho I



Bac-to-Bac[®] Baculovirus
Expression System

pFastBac HTbTM vector

↓ Obtaining vector (2)
↓

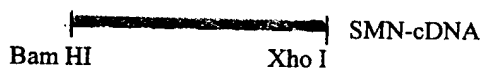


Transformation in INVαF' cells
for checking the success of the
construction of vector (2)

Transformation in DH10BacTM
cells for obtaining the
recombinant bacmid DNA
vector (3) to use for
transfection in insect cells

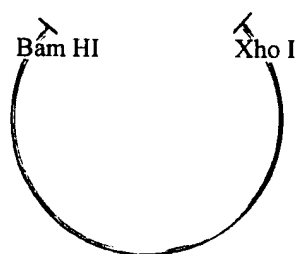
(2) (pFastBac HTbTM/SMN-cDNA)

↓ Isolation of SMN-cDNA by digestion of (2)
↓ with Bam HI and Xho I



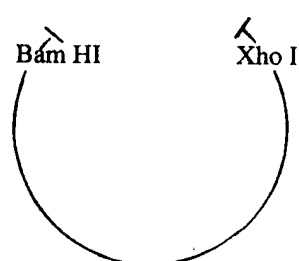
Transfer into the pBlue Bac His 2A
vector predigested with Bam HI and Xho I

Transfer into the pET-28 (+) vector
predigested with Bam HI and Xho I



Bac-N-Bac™ Baculovirus
Expression System

pBlue Bac His 2A

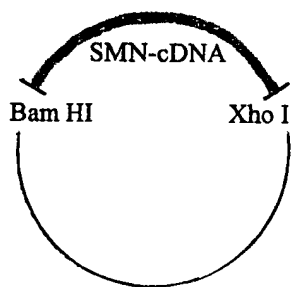


Prokaryotic
Expression
System

pET- 28a (+)

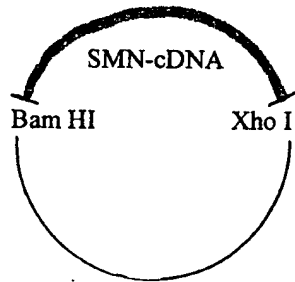
↓ Obtaining vector (4)

↓ Obtaining vector (5)



→ Transformation in
INVαF' cells for
checking the success
of the construction
of vector (4)

(4) (pBlue Bac His 2A / SMN-cDNA)



→ Transformation
in INVαF' cells
for checking
the success of
the construction
of vector (5)

(5) (pET- 28a (+) / SMN-cDNA)